



X-12553_JP.ST25.txt
SEQUENCE LISTING

<110> Eli Lilly and Company

Beals, John

<120> ERYTHROPOIETIC COMPOUNDS

<130> X-12553

<140> US 09/856,451

<141> 2001-05-22

<150> PCT/US99/27801

<151> 1999-11-23

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 168

<212> PRT

<213> synthetic construct

<220>

<221> VARIANT

<222> (1)..(1)

<223> Xaa at position 1 is absent or Met;

<220>

<221> VARIANT

<222> (2)..(2)

<223> Xaa at position 2 is absent or is Ala, Cys, Asp, Glu,
Phe, Gly, His Ile, Leu, Met, Asn, Gln, Arg, Ser, Thr,
Val, Trp, or Tyr

<220>

<221> VARIANT

<222> (26)..(26)

<223> Xaa at position 26 is Asn, Lys or Glu;

<220>

<221> VARIANT

<222> (40)..(40)

<223> Xaa at position 40 is Asn, Lys or Glu;

<220>

<221> VARIANT

<222> (78)..(78)

<223> Xaa at position 78 is Arg or Glu;

<220>

<221> VARIANT

<222> (85)..(85)

<223> Xaa at position 85 is Asn, Lys or Glu;

<220>

<221> VARIANT

<222> (90)..(90)

<223> Xaa at position 90 is Trp, Lys, Pro, or Arg;

<220>

<221> VARIANT

<222> (128)..(128)

<223> Xaa at position 128 is Ser, Thr, Lys or Glu;

<220>

<221> VARIANT

<222> (141)..(141)

<223> Xaa at position 141 is Arg or Glu;

<220>

<221> VARIANT

<222> (156)..(156)

<223> Xaa at position 156 is Lys or Glu; and

<220>

<221> VARIANT

<400> 2

Met	Gly	Val	His	Glu	Cys	Pro	Ala	Trp	Leu	Trp	Leu	Leu	Leu	Ser	Leu	1	5	10	15
Leu	Ser	Leu	Pro	Leu	Gly	Leu	Pro	Val	Leu	Gly	Ala	Pro	Pro	Arg	Leu	20	25	30	
Ile	Cys	Asp	Ser	Arg	Val	Leu	Glu	Arg	Tyr	Leu	Leu	Glu	Ala	Lys	Glu	35	40	45	
Ala	Glu	Asn	Ile	Thr	Thr	Gly	Cys	Ala	Glu	His	Cys	Ser	Leu	Asn	Glu	50	55	60	
Asn	Ile	Thr	Val	Pro	Asp	Thr	Lys	Val	Asn	Phe	Tyr	Ala	Trp	Lys	Arg	65	70	75	80
Met	Glu	Val	Gly	Gln	Gln	Ala	Val	Glu	Val	Trp	Gln	Gly	Leu	Ala	Leu	85	90	95	
Leu	Ser	Glu	Ala	Val	Leu	Arg	Gly	Gln	Ala	Leu	Leu	Val	Asn	Ser	Ser	100	105	110	
Gln	Pro	Trp	Glu	Pro	Leu	Gln	Leu	His	Val	Asp	Lys	Ala	Val	Ser	Gly	115	120	125	
Leu	Arg	Ser	Leu	Thr	Thr	Leu	Leu	Arg	Ala	Leu	Gly	Ala	Gln	Lys	Glu	130	135	140	
Ala	Ile	Ser	Pro	Pro	Asp	Ala	Ala	Ser	Ala	Ala	Pro	Leu	Arg	Thr	Ile	145	150	155	160
Thr	Ala	Asp	Thr	Phe	Arg	Lys	Leu	Phe	Arg	Val	Tyr	Ser	Asn	Phe	Leu	165	170	175	
Arg	Gly	Lys	Leu	Lys	Leu	Tyr	Thr	Gly	Glu	Ala	Cys	Arg	Thr	Gly	Asp	180	185	190	

Arg

<210> 3

<211> 498

<212> DNA

<213> synthetic construct

<220>

<221> CDS

<222> (1)..(495)

<400> 3

gct cca cca cgt ctt att tgt gat tct cgt gtt ctt gaa cgt tac ctg

48

Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu

1

5

10

15

ctg gaa gct aaa gaa gct gaa aac atc acc acc ggt tgc gct gaa cac

96

Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His

20

25

30

tgc tcc ctg aac gaa aac atc acc gtt ccg gac acc aaa gtt aac ttc

144

Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe

35

40

45

tac gct tgg aaa cgt atg gaa gtt ggt cag cag gct gtt gaa gtt tgg

192

Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp

50

55

60

cag ggt ctg gct ctg ctg tcc gaa gct gtt ctg cgt ggt cag gct ctg

240

Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu

65

70

75

80

ctg gtt aac tcc tcc cag ccg tgg gaa ccg ctg cag ctg cac gtt gac

288

Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp

85

90

95

X-12553_JP.ST25.txt

aaa gct gtt tcc ggt ctg cgt tcc ctg acc acc ctg ctg cgt gct ctg
336

Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu

100

105

110

ggt gct cag aaa gaa gct atc tcc ccg ccg gac gct gct tcc gct gct
384

Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala

115

120

125

ccg ctg cgt acc atc acc gct gac acc ttc cgt aaa ctg ttc cgt gtt
432

Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val

130

135

140

tac tcc aac ttc ctg cgt ggt aaa ctg aaa ctg tac acc ggt gaa gct
480

Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala

145

150

155

160

tgc cgt acc ggt gac tga
498

Cys Arg Thr Gly Asp

165

<210> 4

<211> 165

<212> PRT

<213> synthetic construct

<400> 4

Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu

1

5

10

15

Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His
20 25 30

Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe
35 40 45

Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
50 55 60

Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
65 70 75 80

Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp
85 90 95

Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
100 105 110

Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
115 120 125

Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
130 135 140

Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
145 150 155 160

Cys Arg Thr Gly Asp
165